



Modeling and Simulation Resource Repository

A CAPABILITIES OVERVIEW

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Modeling and Simulation Resource Repository (*MSRR*)- What is it?

- A distributed network of resources
- Organized by information categories
- Maintained by the resource owners
- Providing a complete service infrastructure
 - Registration
 - User support (including help desk)
 - Flexible search and access options
- Classified and unclassified systems



MSRR Goal

- **Support responsive, timely access to authoritative sources of:**
 - High Level Architecture rules and specifications
 - Software (Runtime Infrastructure, other common use products)
 - Object model libraries
 - Simulation Catalog
 - Simulation use and VV&A histories
 - Instance databases
- **Enhance cost effectiveness by:**
 - facilitating the user's easy, convenient discovery of resources
 - cooperating with other repository efforts to ensure the broadest availability of all resources
 - Fostering elimination of duplicative developments



How MSRR Resources are Organized

Resources enter the MSRR via the following Organizational Categories:

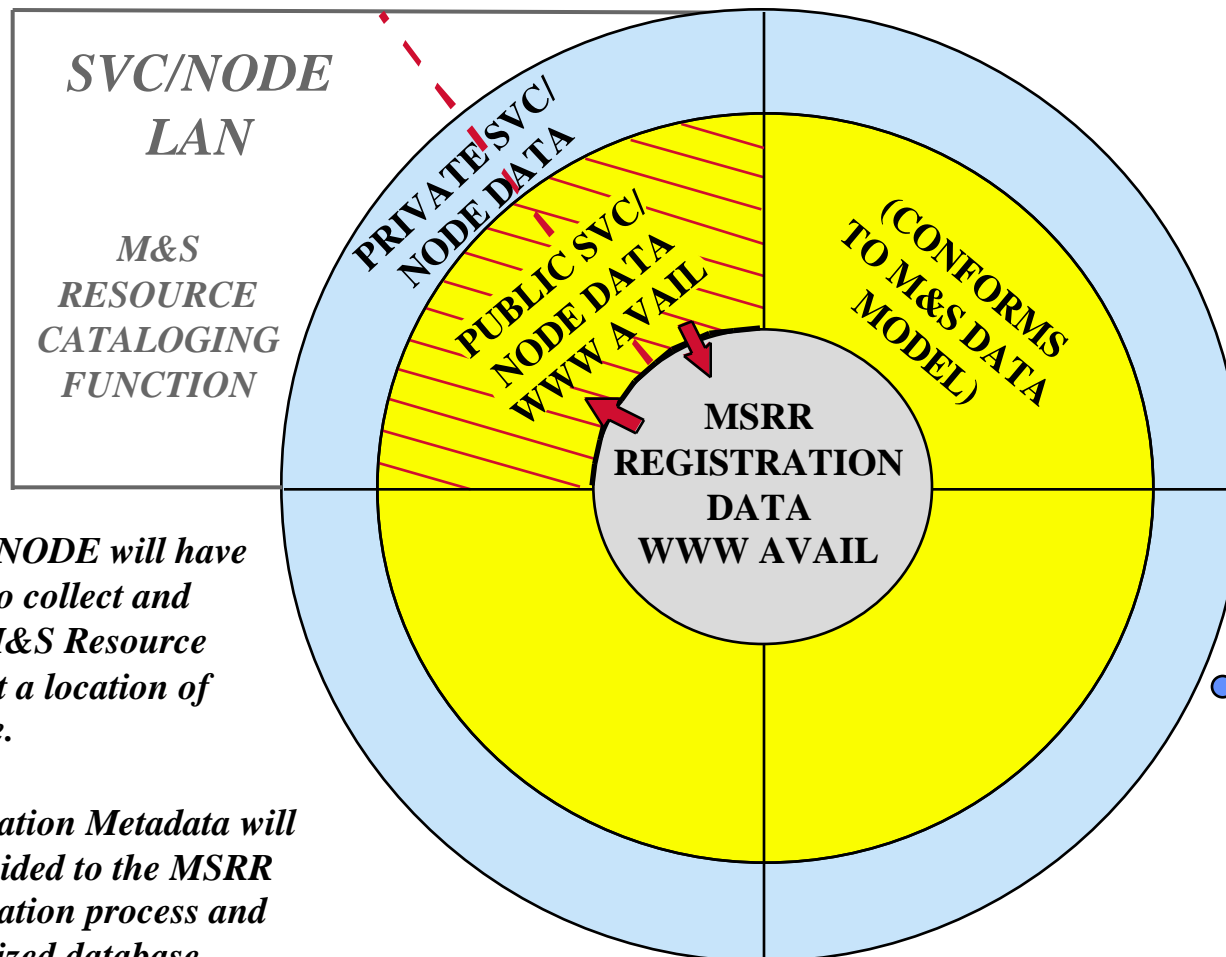
- OSD
- Army
- Navy
- Air Force
- Marine Corps
- CINC ¹
- Joint
- MSEA for Oceans
- MSEA for Terrain
- MSEA for Atmosphere and Space
- MSEA for Intelligence
- Defense Special Weapons Agency

Each organizational category is headed by a Resource Coordinator

1. Coordination of CINC sponsored resources is under study.



MSRR Service Infrastructure

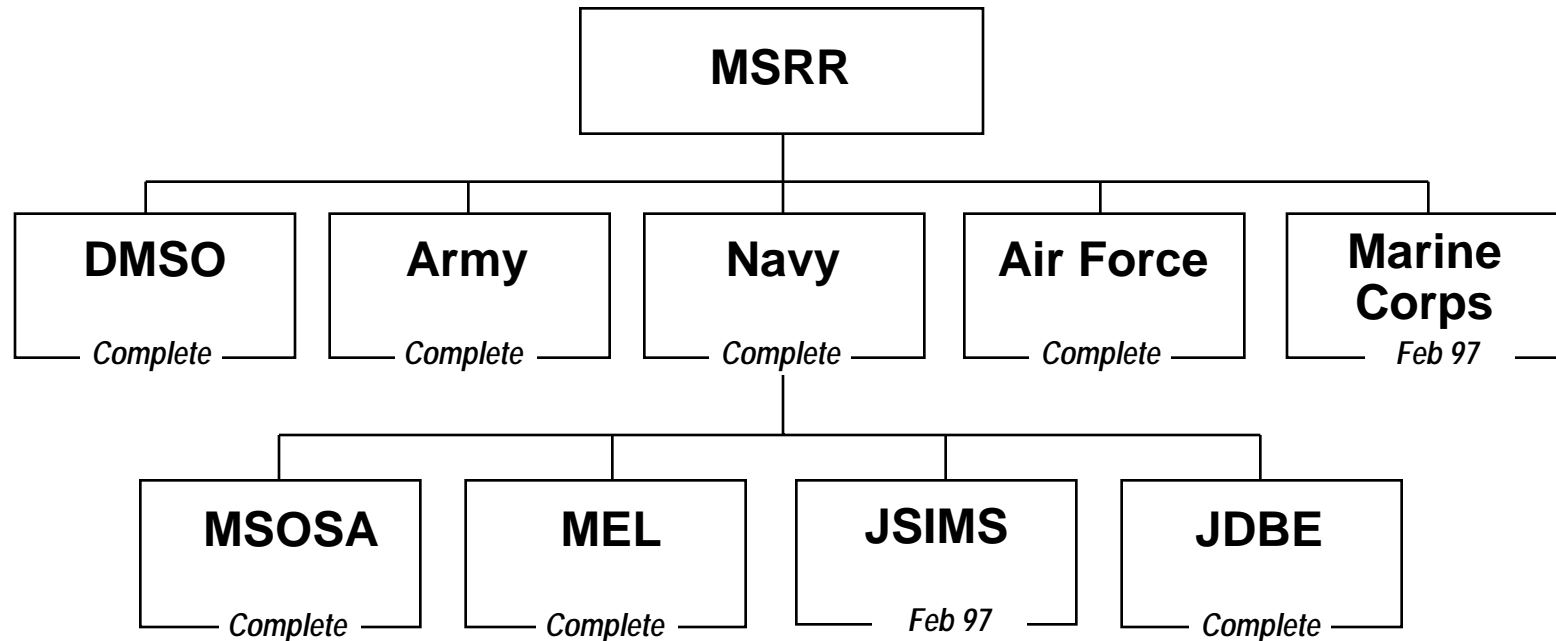


- *Each SVC/NODE will have the ability to collect and maintain M&S Resource Metadata at a location of their choice.*
- *Registration Metadata will be provided to the MSRR Registration process and centralized database.*

- *MSRR Registration Resource Data will point back to the public SVC/NODE data which will also be available through the WWW or SIPRNet.*



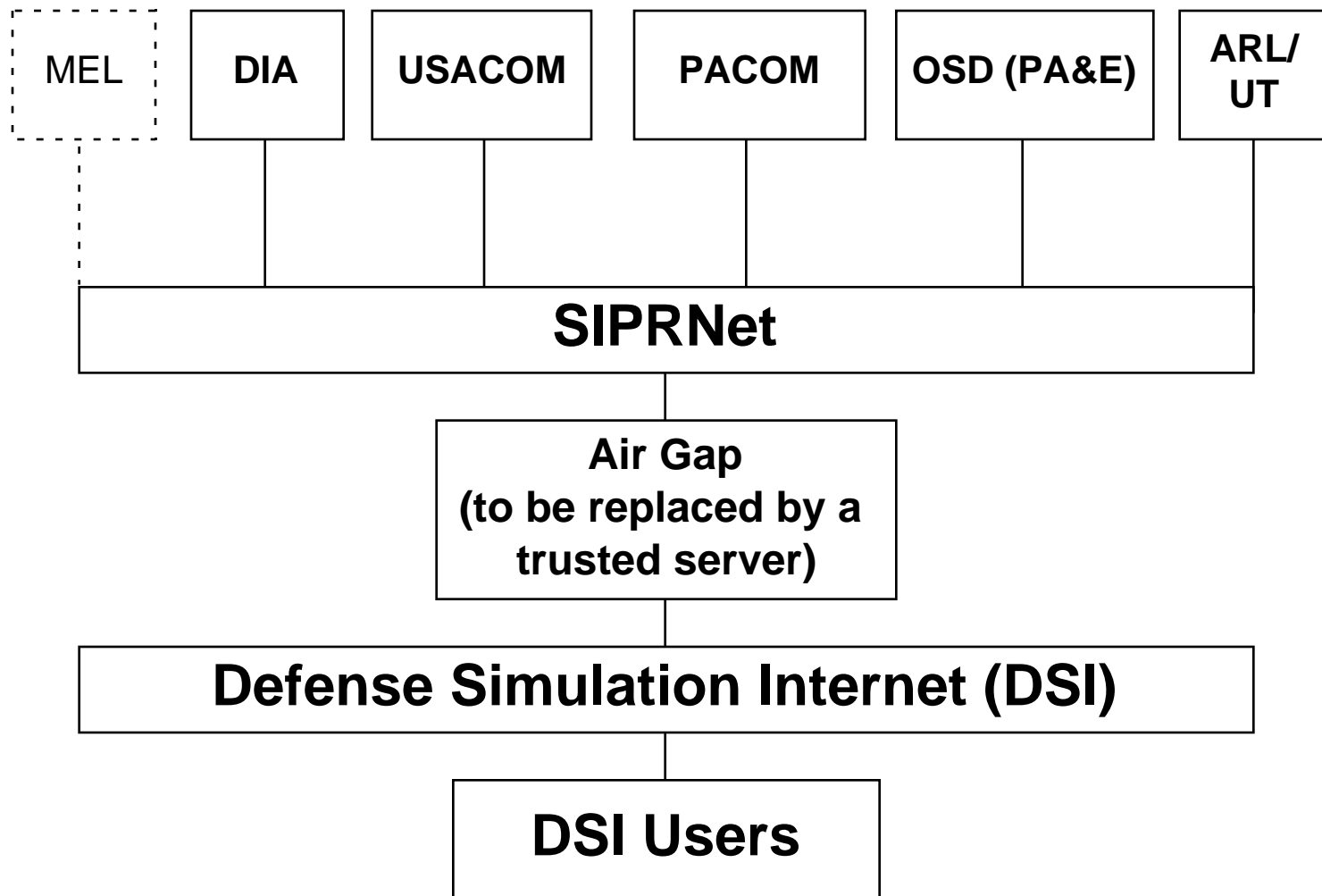
MSRR Near Term Snapshot



Initial build of MSRR specific software on line as of 30 May 97

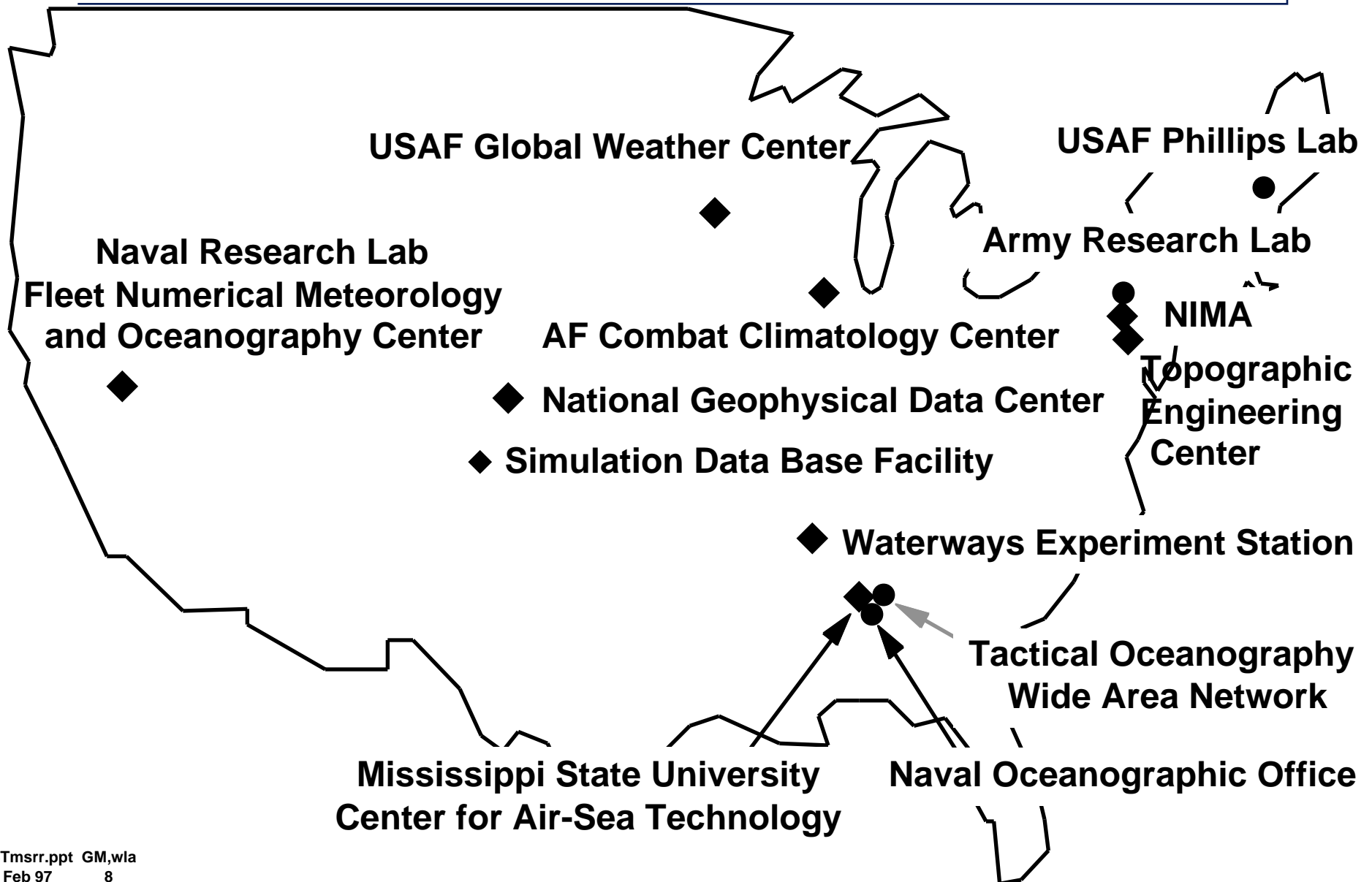


Phase One Classified MSRR





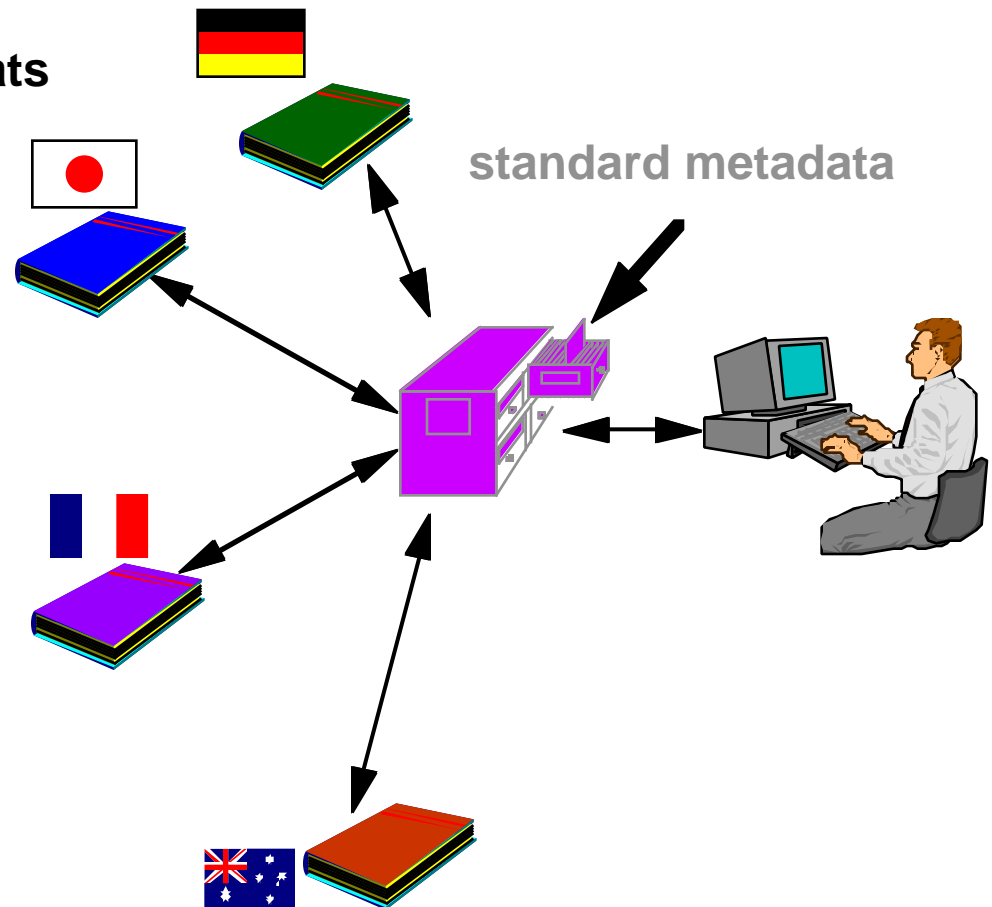
MEL Sites





MEL Solution

- Use a metadata standard:
 - describe data in different formats at distributed regional sites
- Use a unified interface:
 - search metadata at distributed regional sites
 - request data and generate extraction and delivery from a regional site





Summary

- **MSRR leverages existing assets**
- **MSRR adds a complete infrastructure of services**
- **Will provide the user with enhanced ability to locate and use quality data and other products**